

heater
THAT BEATS THE
meter



Manu.

Green
ENERGY

An ISO 9001 : 2008 Co.

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*we always strive for Customer's Satisfaction, Excellence
in Quality of Products & Services*

eco**GREEN**[®]
Solar



*Condition Applied

solar energy
today's resource for a
brighter tomorrow!!!!!!

sectors



Bungalows



Apartments



Industries



Schools-Hostels



Shopping Malls



Hotels



Hospitals



Swimming Pool



Gymnasium-Spa

application



Shower



Cooking



Laundry



Dairy Industry



Textile Industry



Pre-Heat Boiler Water



Paint Industry



Food Processing

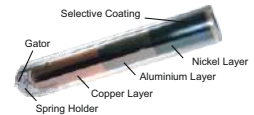


Power Generation

benefits



Higher Energy Absorption
with Higher Temp. Output



Triple Layer Evacuated
Glass Tube Collector



Easy to Install



Suitable for Hard Water



Enjoy Hot Water
365 days x 24 hours*



Saves Money - Pay Back
Period 1.5 to 2 Years*

3E
BENEFITS

Efficient, Elegant &
Environment
Friendly

value
for
money

Best Quality Product
with Reasonable Price

ecoGREEN[®] Pressure Pump



PRESSURE BOOSTER PUMPS

FEATURES

- ▶ Compact design
- ▶ Worldwide usage
- ▶ High reliability
- ▶ Silent Operation
- ▶ Easy to install
- ▶ Wide performance range
- ▶ Full stainless steel design
- ▶ Booster sets for domestic water supply
- ▶ Automatic start/stop when equipped with pressure controller & pressure tank

APPLICATIONS

- ▶ Suitable for liquid transfer
- ▶ Small industrial water supply systems
- ▶ Washing systems
- ▶ Water treatment systems
- ▶ Fire fighting systems
- ▶ Industrial plants
- ▶ boiler feed systems
- ▶ Pressure boosting systems
- ▶ Domestic water supply

MATERIAL OF CONSTRUCTION / SPECIFICATION

- | | |
|-----------------|--|
| Pump casing | ▶ Stainless Steel |
| Impeller | ▶ Stainless Steel (single stage / Multi stage) |
| Shaft | ▶ Stainless Steel |
| Mechanical Seal | ▶ Carbon / Ceramic |
| Pressure switch | ▶ Danfoss Make |
| Pressure tank | ▶ Aluminum |

TECHNICAL DATA

- ▶ Maximum operating pressure - 10 bar
- ▶ Max. fluid temperature - 40 C
- ▶ Min. fluid temperature - 0 C
- ▶ Maximum ambient temperature - 50 C
- ▶ Mains connection - 230 V, 50/60Hz

1
YEAR
WARRANTY

ecoGREEN[®] Pearl



INNER TANK

- | | |
|---------------------|--|
| Material | ▶ Galvanised Steel - JINDAL Steel ESSAR STEEL TATA STEEL |
| Thickness | ▶ 2 mm |
| Coating Inside Tank | ▶ Full Marine Coating Inside Tank - MRF |
| Connection | ▶ Galvanized Steel |
| Tank to Tube Seal | ▶ Silicon Seal (Can withstand maximum temp.) |
| Electric Back-up | ▶ Provision for Electric Back - up is provided |
| Insulation | ▶ PUF Insulation of 50 mm - BASF The Chemical Company DOW |

OUTER TANK

- | | |
|----------------|--|
| Material | ▶ Galvanised Steel - ESSAR STEEL National Steel |
| Powder Coating | ▶ Pure Polyester Powder Coating - usampaints ICI |

SUPPORTING STRUCTURE

- | | |
|-----------|--|
| Material | ▶ M. S. Angle |
| Coating | ▶ Pure Polyester Powder Coating - usampaints ICI |
| Nut Bolts | ▶ M. S. Zink Coating |

SPECIALTY

- ▶ Easy to Install
- ▶ Rigid Angle Stand
- ▶ Economical & Robust Design
- ▶ Pure Polyester Powder Coating
- ▶ Full Marine Coating Inside Tank
- ▶ Specialty Designed Tube End Support with ABS Plastic Cap

3
YEAR
GUARANTEE

ecoGREEN[®]
Diamond



INNER TANK

Material	▶ Galvanised Steel - JINDAL Steel ESSAR STEEL TATA STEEL
Thickness	▶ 2.5 mm
Coating Inside Tank	▶ Full Marine Coating Inside Tank - MRF
Connection	▶ Stainless Steel
Tank to Tube Seal	▶ Silicon Seal (Can withstand maximum temp.)
Electric Back-up	▶ Provision for Electric Back - up is provided
Insulation	▶ PUF Insulation of 50 mm - BASF The Chemical Company DOW

OUTER TANK

Material	▶ Galvanised Steel - ESSAR STEEL National Steel
Powder Coating	▶ Pure Polyester Powder Coating - asianpaints DOW

SUPPORTING STRUCTURE

Material	▶ GI Sheet Metal
Coating	▶ Pure Polyester Powder Coating - asianpaints DOW
Nut Bolts	▶ M. S. Zink Coating

SPECIALITY

- ▶ SS Connection
- ▶ Decorative Weldless Stand
- ▶ Pure Polyester Powder Coating
- ▶ Full Marine Coating Inside Tank
- ▶ Heavy Duty Hot Water Storage Tank
- ▶ Specialty Design Tube End Support, No Plastic cap required



ecoGREEN[®]
Solar Street Light



SOLAR STREET LIGHT SYSTEM

LED'S have a number of useful properties such as directionality, specific colour & high efficiency. In addition to the inherent efficiency of LEDs, street light can be made very directional, casting light mostly along the roadway, with only a small amount down and none up. This will allow good illumination with the least light gener reducing power consumption and saving more money. Eco Green Solar Lights takes advantages of these inherent qualities of LEDs for designing its latest rang of Solar LED Street Lighting Systems. The street light luminary contains high efficient White LEDs rated at 1W each. The system is ready to be used containing a Solar Module, battery, pole, battery enclosure, connecting wires and the necessary hardware.

TECHNICAL DATA

- ▶ Solar PV Module - Mono / Poly crystalline silicon
- ▶ Solar Streetlight Luminary - High efficiency and long life White LED, Pure White, with Solar Charge Controller.
- ▶ Battery Enclosure - MS Cold Rolled Sheet, Powder coated
- ▶ Module Mounting Structure - Galvanized Iron, Hot Dip Galvanized
- ▶ Pole - Mild Steel, Galvanized

FEATURES

- ▶ No lamp blackening, No lamp replacement for several years
- ▶ Attractive and Weather proof luminaries (IP-65 Rated)
- ▶ Automatic Dust to Dawn Controller (DTDC) / Timer
- ▶ Extremely long life LEDs (>50,000 Hrs)
- ▶ Adequate protections and indications
- ▶ UV stabilized bowl and canopy
- ▶ Weather proof luminaries





SOLAR ROOF TOP SYSTEM

Solar Roof Top System is a type of solar power generating system wherein the solar PV panels are installed on the roof of the premises. The solar PV panels convert solar Photovoltaic radiation into DC electric power which is converted to AC electric power by the Inverter and then used to run the electrical appliances.

On – Grid System

Benefits:

1. One Time Investments.
2. Saving in Electricity Bill.
3. Low maintenance and Eco – Friendly System.
4. Uninterrupted Power Supply Available.
5. No cost of battery bank.
6. Cheaper Power than grid with faster Return on Investment.
7. All extra Power generated are fed to grid and owner gets credit for those injected units.
8. Revenue generation from unutilized space.
9. Benefits of accelerated depreciation for industrial & commercial purpose.

Off - Grid System

Benefits:

1. Empowers you to become independent for your electricity need.
2. Low maintenance and Eco – Friendly System.
3. Uninterrupted Power Supply Available.
4. Saving in Electricity Bill.
5. One Time Investment.



INNER TANK

Material	▶ Galvanised Steel - JINDAL Steel ESSAR STEEL TATA STEEL
Thickness	▶ 2.5 mm
Coating Inside Tank	▶ Full Marine Coating & Special Rust proof Coating - MRF
Protection from Scales	▶ Sacrificial Anode
Connection	▶ Stainless Steel
Tank to Tube Seal	▶ Silicon Seal (Can withstand maximum temp.)
Electric Back-up	▶ Provision for Electric Back - up is provided
Insulation	▶ PUF Insulation of 50 mm - BASF The Chemical Company DOW

OUTER TANK

Material	▶ Galvanised Steel - ESSAR STEEL National Steel
Powder Coating	▶ Pure Polyester Powder Coating - asianpaints ICI

SUPPORTING STRUCTURE

Material	▶ GI Sheet Metal
Coating	▶ Pure Polyester Powder Coating - asianpaints ICI
Nut Bolts	▶ Stainless Steel

SPECIALITY



- ▶ SS Connection
- ▶ Pure Polyester Powder Coating
- ▶ Heavy duty hot water storage tank
- ▶ Profile cutt decorative weldless stand
- ▶ ISI Electric Back-up for non sunny days
- ▶ For long life of system - Sacrificial Anode
- ▶ Specialty Desgin Tube End Support, No Plastic cap required
- ▶ Full Marine Coating plus special rust proof coating inside Tank







eco**GREEN**[®]
Copper





INNER TANK

Material	▶ Pure Copper
Thickness	▶ 0.75 mm
Connection	▶ Pure Copper
Tank to Tube Seal	▶ Silicon Seal (Can withstand maximum temp.)
Electric Back-up	▶ Provision for Electric Back - up is provided
Insulation	▶ PUF Insulation of 50 mm -  

OUTER TANK

Material	▶ Galvanised Steel -  
Powder Coating	▶ Pure Polyester Powder Coating -  

SUPPORTING STRUCTURE

Material	▶ GI Sheet Metal
Coating	▶ Pure Polyester Powder Coating -  
Nut Bolts	▶ M. S. Zinc Coating

SPECIALTY

- ▶ Pure Copper Connections
- ▶ Pure Polyester Powder Coating
- ▶ Pure Copper Inner Tank for hygienic bath
- ▶ Special Assistant Tank for airpipeless Fitting or Brass air release Valve



eco**GREEN**[®]
Solar Pumping System



SOLAR WATER PUMPING SYSTEM

Solar Water Pumping System is a stand-alone system operating on power generated by Solar Photovoltaic Panels. Solar water pumps are specially designed to lift water for irrigation, in farms & gardens, drinking and many other similar applications. The system is easy to install and helps a lot in irrigation process due to its functionality, cost effectiveness and eco friendliness. Also it is easy to maintain. The economy and reliability makes it an excellent choice for the main water pumping system and it also minimizes the Daily pumping cost and uncertainties. The whole system is easily maintainable or we can say completely maintenance-free. The life of this product is competitively high and hence is highly reliable.

The additional features which can be added are,

- (1) Dry running protection
- (2) Controlling of the pumps system and monitoring the operation by Ethernet
- (3) Protection against polarity, overload and high temperature

Benefits:

1. No Electricity bill to paid.
2. Saving diesel Expenses.
3. No Maintenance.
4. Energy Efficient pumps, motor and controller.
5. Energy efficient Solar PV modules with minimum life span of 25 yrs.
6. Automatic pump controller with MPPT.
7. Protection Available: Dry run, Reverse polarity ,open Circuit, Short Circuit etc.

Applications:

- Regular and Micro Irrigation
- Industrial Well Pumping
- Village Water Supply
- Residential Water Pumping





Flat Plat Pressurized

INNER TANK

- | | |
|---------------------|---|
| Material | ▶ Mild Steel - JINDAL Steel ESSAR Steel TATA STEEL |
| Thickness | ▶ 5 mm |
| Coating Inside Tank | ▶ Hot Deep + Marine Coating + Special Rust proof Coating Inside & Outside of Tank - MRF |
| Connection | ▶ Stainless Steel |
| Electric Back-up | ▶ Provision for Electric Back - up is provided |
| Insulation | ▶ PUF Insulation of 50 mm - BASF The Chemical Company DOW |

OUTER TANK

- | | |
|----------------|---|
| Material | ▶ Galvanised Steel - ESSAR Steel National Steel |
| Powder Coating | ▶ Pure Polyester Powder Coating - askampaints KSV |

SUPPORTING STRUCTURE

- | | |
|-----------|---|
| Material | ▶ GI Sheet Metal / M. S. Angle |
| Coating | ▶ Pure Polyester Powder Coating - askampaints KSV |
| Nut Bolts | ▶ M. S. Zink Coating |

FLAT PLAT COLLECTOR

- | | |
|----------------|---|
| Collector Size | ▶ 2025 mm x 1025 mm x 95 mm |
| Header | ▶ Copper Tube 25.4 mm ID, 0.71 mm Thick |
| Fins | ▶ Copper Tube 12.5 mm ID, 0.4 mm Thick |
| Nos of Risers | ▶ 9 Nos |
| Flanges | ▶ Brass |
| Insulation | ▶ Rookwool - 50 mm Thick |

SPECIALITY

- ▶ SS Connection
- ▶ ISI Flat Plate Collectors
- ▶ Pure Polyester Powder Coating
- ▶ Full Marine Coating Inside Tank
- ▶ Heavy Duty Hot Water Storage Tank



*Designed & Developed
with 10 years of experience
100% Proven Technology*

Direct Tube Pressurized

INNER TANK

- | | |
|---------------------|---|
| Material | ▶ Mild Steel - JINDAL Steel ESSAR Steel TATA STEEL |
| Thickness | ▶ 5 mm |
| Coating Inside Tank | ▶ Hot Deep + Marine Coating + Special Rust proof Coating Inside & Outside of Tank - MRF |
| Connection | ▶ Stainless Steel |
| Electric Back-up | ▶ Provision for Electric Back - up is provided |

HEAT EXCHANGER

- | | |
|---------------------|--|
| Material | ▶ Mild Steel - JINDAL Steel ESSAR Steel TATA STEEL |
| Thickness | ▶ 2 mm |
| Coating Inside Tank | ▶ Hot Deep + Marine Coating + Special Rust proof Coating Inside Heat Exchanger - MRF |
| Connection | ▶ Stainless Steel |
| Tank to Tube Seal | ▶ Silicon Seal (Can withstand maximum temp.) |
| Insulation | ▶ PUF Insulation of 50 mm - BASF The Chemical Company DOW |

OUTER TANK

- | | |
|----------------|---|
| Material | ▶ Galvanised Steel - ESSAR Steel National Steel |
| Powder Coating | ▶ Pure Polyester Powder Coating - askampaints KSV |

SUPPORTING STRUCTURE

- | | |
|-----------|---|
| Material | ▶ GI Sheet Metal / M. S. Angle |
| Coating | ▶ Pure Polyester Powder Coating - askampaints KSV |
| Nut Bolts | ▶ M. S. Zink Coated |

SPECIALITY

- ▶ SS Connection
- ▶ Pure Polyester Powder Coating
- ▶ Heavy Duty Inner Tank with Dished End
- ▶ Full Jacketed Heat Exchanger for best results
- ▶ Full Marine Coating Inside Tank & Heat Exchanger
- ▶ Provided with TPR & Air Valves for extended Safety



eco**GREEN**[®]
Solar



MANIFOLD

INNER TANK

- | | |
|---------------------|--|
| Material | ▶ Galvanised Steel - JINDAL Steel ESSAR STEEL TATA STEEL |
| Thickness | ▶ 2.5 mm |
| Coating Inside Tank | ▶ Full Marine Coating Inside Tank - MRF |
| Connection | ▶ Stainless Steel |
| Electric Back-up | ▶ Provision for Electric Back - up is provided |
| Insulation | ▶ PUF Insulation of 50 mm - BASF DOW |

MANIFOLD

- | | |
|---------------------|--|
| Material | ▶ Galvanised Steel - JINDAL Steel ESSAR STEEL TATA STEEL |
| Thickness | ▶ 2.5 mm |
| Coating Inside Tank | ▶ Full Marine Coating Inside Tank - MRF |
| Connection | ▶ Stainless Steel |
| Tank to Tube Seal | ▶ Silicon Seal (Can withstand maximum temp.) |
| Insulation | ▶ PUF Insulation of 50 mm - BASF DOW |

OUTER TANK

- | | |
|----------------|---|
| Material | ▶ Galvanised Steel - ESSAR STEEL National Steel |
| Powder Coating | ▶ Pure Polyester Powder Coating - asianpaints ICI |

SUPPORTING STRUCTURE

- | | |
|-----------|---|
| Material | ▶ GI Sheet Metal |
| Coating | ▶ Pure Polyester Powder Coating - asianpaints ICI |
| Nut Bolts | ▶ M. S. Zink Coating |

SPECIALTY

- ▶ SS Connection
- ▶ Pure Polyester Powder Coating
- ▶ Full Marine Coating Inside Tank
- ▶ Heavy Duty Hot Water Storage Tank
- ▶ Heavy duty M.S.Angle Stand for optimum strength
- ▶ Collector & Tank are separate, so it can be installed as per site requirement

5
YEAR
GUARANTEE

eco**GREEN**[®]
FPC



INNER TANK

- | | |
|---------------------|--|
| Material | ▶ Galvanised Steel - JINDAL Steel ESSAR STEEL TATA STEEL |
| Thickness | ▶ 2.5 mm |
| Coating Inside Tank | ▶ Full Marine Coating Inside Tank - MRF |
| Connection | ▶ Stainless Steel |
| Electric Back-up | ▶ Provision for Electric Back - up is provided |
| Insulation | ▶ PUF Insulation of 50 mm - BASF DOW |

OUTER TANK

- | | |
|----------------|---|
| Material | ▶ Galvanised Steel - ESSAR STEEL National Steel |
| Powder Coating | ▶ Pure Polyester Powder Coating - asianpaints ICI |

SUPPORTING STRUCTURE

- | | |
|-----------|---|
| Material | ▶ GI Sheet Metal / M. S. Angle |
| Coating | ▶ Pure Polyester Powder Coating - asianpaints ICI |
| Nut Bolts | ▶ M. S. Zink Coating |

FLAT PLAT COLLECTOR

- | | |
|----------------|---|
| Collector Size | ▶ 2025 mm x 1025 mm x 95 mm |
| Header | ▶ Copper Tube 25.4 mm ID, 0.71 mm Thick |
| Fins | ▶ Copper Tube 12.5 mm ID, 0.4 mm Thick |
| Nos of Risers | ▶ 9 Nos |
| Flanges | ▶ Brass |
| Insulation | ▶ Rookwool - 50 mm Thick |

SPECIALTY

- ▶ SS Connection
- ▶ ISI Flat Plate Collectors
- ▶ Pure Polyester Powder Coating
- ▶ Full Marine Coating Inside Tank
- ▶ Heavy Duty Hot Water Storage Tank

5
YEAR
GUARANTEE